

Claims

- [c1] A system for facilitating synchronizing transponder information associated with a transponder, said system comprising:
- a first enterprise data collection unit associated with a first enterprise, said enterprise data collection unit configured to store update transactions and pending transactions associated with said transponder and said first enterprise;
 - a second enterprise data collection unit associated with a second enterprise, said second enterprise data collection unit configured to store update transactions and pending transactions associated with said transponder and said second enterprise;
 - at least one point-of-sale device configured with a transponder-reader to interface with said transponder and said first and second enterprise data collection units;
 - a fob object database system coupled to said first and second enterprise data collection units and configured to store said transponder information in accordance with said update transactions and said pending transactions, wherein said transponder information may include a fob

object having at least one application; and
an update logic system configured to route said
transponder information from said first and second en-
terprise data collection units to at least one of said
point-of-sale device in order to effect synchronization of
said transponder information associated with said fob
and said fob object database system.

- [c2] A system according to claim 1, further comprising an
update logic system coupled to at least one enterprise
data synchronization interface, said update logic system
configured to securely route transponder information
between said enterprise data synchronization interface
and said enterprise data collection units, said enterprise
data synchronization interface coupled to an enterprise
network configured to communicate with said point-
of-sale device.
- [c3] The system according to claim 2, further comprising a
secure support client server configured to communicate
with said point-of-sale device, said secure support client
server further configured to adaptively provide commu-
nication functionality in accordance with the communi-
cation functionality available at said point-of-sale de-
vice.
- [c4] The system of claim 1, further including a personaliza-

tion system comprising:

a security server;

at least one key system associated with said at least one application, said key system configured to communicate with said security server and to supply a key in response to a request from said security server;

a personalization utility configured to receive said fob object and to communicate with said security server;

said personalization utility further configured to add said key to said fob object;

a transponder management system, said transponder management system configured to accept a transponder request and communicate said transponder request to said personalization utility; and

a gather application module configured to communicate with said transponder management system and gather application information from a first database and a second database in accordance with said transponder request, wherein said first database is associated with said first enterprise, and said second database is associated with said second enterprise.

[c5] A personalization system comprising:

a security server;

at least one key system associated with said at least one application, said key system configured to communicate

with said security server and to supply a key in response to a request from said security server;

a personalization utility configured to receive a fob object and to communicate with said security server;

said personalization utility further configured to add said key to said fob object;

a transponder management system, said transponder management system configured to accept a transponder request and communicate said transponder request to said personalization utility;

a first enterprise data collection unit associated with a first enterprise, said enterprise data collection unit configured to store update transactions and pending transactions associated with said transponder and said first enterprise;

a second enterprise data collection unit associated with a second enterprise, said second enterprise data collection unit configured to store update transactions and pending transactions associated with said transponder and said second enterprise; and

a gather application module configured to communicate with said transponder management system and gather application information from a first database and a second database in accordance with said transponder request, wherein said first database is associated with said first enterprise, and said second database is associated

with said second enterprise.

- [c6] The system of claim 5 wherein said transponder management system is further configured to parse said transponder request in order to choose optimum transponder characteristics.
- [c7] The system of claim 5 wherein said personalization utility is further configured to facilitate formatting said fob object.
- [c8] The system of claim 5 further comprising an activation block configured to facilitate activation of a transponder.
- [c9] A method for personalization comprising the following steps:
 - communicating with a security server to facilitate supplying a key in response to a request from said security server;
 - receiving a fob object at a personalization utility configured to communicate with said security server;
 - using said personalization utility to facilitate adding said key to said fob object;
 - accepting a transponder request at a transponder management system to facilitate communicating said transponder request to said personalization utility;
 - storing update transactions and pending transactions at

a first enterprise data collection unit associated with a transponder and a first enterprise;
storing update transactions and pending transactions at a second enterprise data collection unit associated with a transponder and a second enterprise; and
gathering application information from a first database and a second database in accordance with said transponder request, wherein said first database is associated with said first enterprise, and said second database is associated with said second enterprise, and wherein said step of gathering comprises using a gather application module configured to communicate with said transponder management system.

- [c10] The method of claim 9 wherein said step of gathering application information from a first database and a second database in accordance with said transponder request further comprises creating at least one of a file structure, data set and data type.
- [c11] The method of claim 9 further comprising the step of issuing a transponder corresponding to said transponder request.
- [c12] A method for facilitating synchronizing transponder information associated with a transponder, said method comprising the following steps:

using a first enterprise data collection unit associated with a first enterprise to facilitate storing update transactions and pending transactions associated with said transponder and said first enterprise;

using a second enterprise data collection unit associated with a second enterprise to facilitate storing update transactions and pending transactions associated with said transponder and said second enterprise;

interfacing with said transponder and said first and second enterprise data collection units through at least one point-of-sale device configured with a transponder-reader;

storing said transponder information in accordance with said update transactions and said pending transactions at a fob object database system coupled to said first and second enterprise data collection units, wherein storing said transponder information may include storing a fob object having at least one application; and

using an update logic system to facilitate routing said transponder information from said first and second enterprise data collection units to at least one of said point-of-sale device in order to effect synchronization of said transponder information associated with said fob and said fob object database system.

[c13] The method of claim 12, further comprising the step of

using an update logic system coupled to at least one enterprise data synchronization interface to facilitate securely routing transponder information between said enterprise data synchronization interface and said enterprise data collection units, said enterprise data synchronization interface coupled to an enterprise network configured to communicate with said point-of-sale device.

[c14] The method of claim 12, wherein said step of communicating with said point-of-sale device using a secure support client server, wherein said step of using said secure support client server further comprises adaptively providing communication functionality in accordance with the communication functionality available at said point-of-sale device.

[c15] The method of claim 12, further comprising the step of facilitating personalization, wherein said step comprises: communicating with a security server to facilitate supplying a key in response to a request from said security server;
receiving a fob object at a personalization utility configured to communicate with said security server;
using said personalization utility to facilitate adding said key to said fob object;
accepting a transponder request at a transponder management system to facilitate communicating said

transponder request to said personalization utility;
storing update transactions and pending transactions at
a first enterprise data collection unit associated with a
transponder and a first enterprise;
storing update transactions and pending transactions at
a second enterprise data collection unit associated with a
transponder and a second enterprise; and
gathering application information from a first database
and a second database in accordance with said
transponder request, wherein said first database is asso-
ciated with said first enterprise, and said second
database is associated with said second enterprise, and
wherein said step of gathering comprises using a gather
application module configured to communicate with said
transponder management system.

[c16] The method of claim 12, wherein step of routing said
transponder information from said first and second en-
terprise data collection units comprises routing said
transponder information in track 1/track 2 International
Standards Setting Organization format.